Kirill Makienko Tkachenko

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Experience

NASA HUMAN ROVER EXPLORATION ROVER CHALLENGE
Telemetry Team   Nov 2022 - Ongoing
- Connection between a React website, mySQL DB and JS Backend trough APIs. Used Grafana hosted on my personal server to create real-time visualization of data collected by the vehicle's sensors.
- Designed, tested and deployed the IT infrastructure to enable the connection between the ground data recollection station and the with self-hosted web server reducing costs by over 90%.
- We achieved the Innovation award in the international competition held in Huntsville and awarded the best telemetry out of 70 teams.

Hoori (Startup focused on IT consulting)   Puebla, MX/Remote
Junior Frontend Developer   September 2023 - Ongoing
- Developing a responsive webpage using native base for to ensure optimal user experience and accessibility.
- Collaborating within a startup setting, emphasizing agility, problem solving and team-oriented communications.

HUMHUM (Startup focused on personal health)   Mexico City, MX/Remote
Junior Front end Developer   August 2023 - Ongoing
- Improved app compatibility as measured by multi-platform support by developing a webapp with LitElement framework for IOS and Android.
- Enhanced application security with vulnerability reports by identifying and reporting several critical security threats.

ICPC – International Collegiate Programming Contest   Cuernavaca, MX
Lead Programmer   September 2023
- Achieved a rank of 79 out of 200 teams at an international level. Using C++, JavaScript and Python.
- Participated as the primary coder alongside three people communicating and solving technical coding problems that required data structures, algorithms and mathematical concepts.

PREPANET   Cuernavaca, MX
Student Tutor   Jan 2023 - Ongoing
- Provided academic support to 14 high school students from diverse backgrounds, graded their assignments and offered one-on-one tutoring.
- Enhanced communication and empathy skills, cultivating a supportive learning environment contributing to improved academic performance, self-confidence and resulting in notable progress among students.

1st Gen Venture Labs Summer Sprint (ITESM)   Queretaro, MX
Startup accelerator program   July 2023
- Intense prototype accelerator program for elite projects in prototype phase. Learning how to aim for an MVP and Business/Legal training.

Hackathon RPA   Cuernavaca, MX
Sponsored by Beeker   July 2023
- Pitched a business proposal, achieving the 5th place among 30+ participating teams.
- Developed a scalable web bot capable of reading input from a file and retrieving the processed data into an output file that was then sent over email. This was accomplished using the BluePrism automation software.

Education

Monterrey Institute of Technology and Higher Education (ITESM)   GPA: 9.2/10
Expected Graduation Date: 2026   August 2022 – June 2026
- Bachelor of Science (B.S.) in Computer Science and Technology
- Relevant courses: OOP, Mathematics and Data Science for Decision Taking, Analysis of computational Biology, Calculus I & II, Differential and Integral calculus, Analysis of differential equations, Data Structures, Internet of Things (IOT)

Miscellaneous

Languages: Spanish – Native, Russian – Native, English – C1 Certification, German – Basic Understanding
Skills: Python, R, C++, Java, Matlab, Git, HTML5, LitElement, Pandas, Numpy, React.js, Nginx, Apache, Kotlin for Android
Awards: Innovation and Crash & Burn awards at the 2023 NASA HERC competition, "Ateneo de la Juventud" Prize (2023),